DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

T.M. Windows, L.L.C. 601 N.W. 12th Ave. Pompano Beach, FL 33069

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series 370 Aluminum Sliding Glass Door w/ reinforcements-Impact

APPROVAL DOCUMENT: Drawing No. W03-90 Rev E, titled "Series-370 Alum Sliding Door (L.M.I.)", sheets 1 through 7 of 7, prepared by Al Farooq Corporation, dated 10/06/03 and last revised on May 31, 2012, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant Limitations:

- 1. Min 3 ksi concrete required at head & sill.
- 2. Pockets are under separate approval to be reviewed by Bldg official.
- 3. Max shim not to exceed 1/4", at sill to be filled w/high strength poured & hardened grout.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 09-0319.06 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No 12-0403.03 Expiration Date: March 18, 2014 Approval Date: June 07, 2012

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections (Submitted under file # 09-0319.06)
- 2. Drawing No. **W03-90 Rev E**, titled "Series-370 Alum Sliding Door (L.M.I.)", sheets 1 through 7 of 7, prepared by Al Farooq Corporation, dated 10/06/03 and last revised on May 31, 2012, signed and sealed by Javad Ahmad, P.E.

B. TESTS (submitted under file # 09-0319.06)

- 1. Test reports on 1) Air Infiltration Test, per TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 3) Water Resistance Test, per TAS 202-94.
 - 4) Forced Entry Test per FBC 2411.3.2.1 and TAS202-94.
 - 5) Large Missile Impact Test, per TAS 201-94
 - 6) Cyclic Wind Pressure Loading, per TAS 203-94

Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratories, Test Report No. FTL-3773 (FTL03062), dated August 04, 2003, signed and sealed by Joseph Chan, P.E. Note: This report has been revised by an addendum letter dated January 26, 2004, issued by Fenestration Testing laboratory, signed and sealed by Edmundo Largaespada, P. E. based on the review of the test report.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al Farooq Corporation, dated 03/23/12 and last revised on 05/31/12, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies w/ ASTME-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0325.05 for "Saflex clear & color interlayer" issued to Solutia Inc., expiring on 05/21/16.
- 2. Notice of Acceptance No. 12-0130.01 for "Uvekol-S laminated glass interlayer", issued to Cytec Industries Inc., expiring on 02-08-2014.

F. STATEMENTS

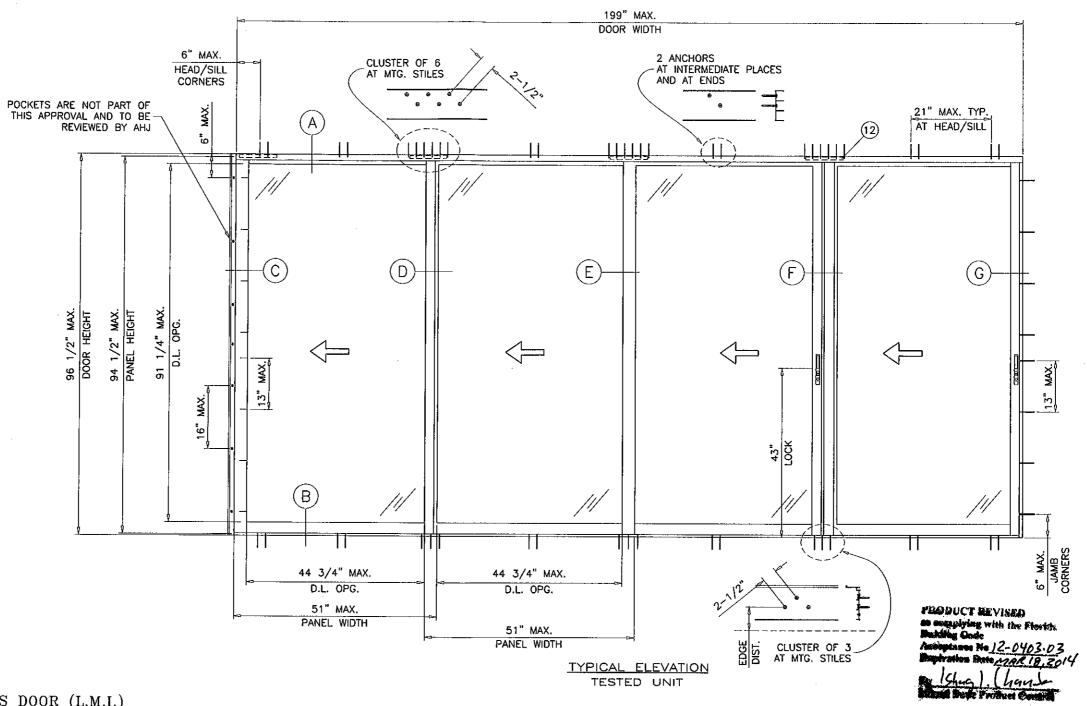
- 1. Statement letter of conformance to FBC 2010 and letter of no financial interest, prepared by Al Farooq Corporation, dated 03/21/12, signed and sealed by Javad Ahmad, P.E.
- 2. Statement letter of conformance FBC 2007 and letter of no financial interest, prepared by Al Farooq Corporation, dated 03/10/09, both signed and sealed by late Humayoun Farooq, P.E. (submitted under file # **09-0319.06**)
- 3. Addendum letter to test report FTL-3773, dated Jan 26, 2004, issued by Fenestration Testing laboratory, signed & sealed by Edmundo Largaespada, P. E.
- 4. Lab compliance as part of the above referenced test report.

G. OTHER

1. This NOA revises NOA # 09-0319.06, expiring on 03/18/14.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 12-0403.03
Expiration Date: March 18, 2014

Approval Date: June 07, 2012



SERIES-370 ALUM. SLIDING GLASS DOOR (L.M.I.)

DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHART SHOWN ON SHEET 2

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE DOORS ARE RATED FOR LARGE AND SMALL MISSILE IMPACT AND REQUIRE NO SHUTTERS.

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FLA. PE # 70592 C.A.N. 3538 MAY/3 1 2012

Engr: JAVAD AHMAD

CIVIL

SERIES-370 ALUN		T.M. WINDO 601 N.W. 121 POMPANO BE/ TEL. (954) 781					
	by description	REV. PER BCCO COMMENTS	REV. PER BCCO COMMENTS	UPDATED FOR 2004 FBC	UPDATED FOR 2007 FBC	UPDATED TO 2010 FBC	
revisions:	date by	01.27.04	B 03.02.04	C 10.12.05	60.90.20	E 03.23.12	
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drawing

W03-90

sheet 1 of 7

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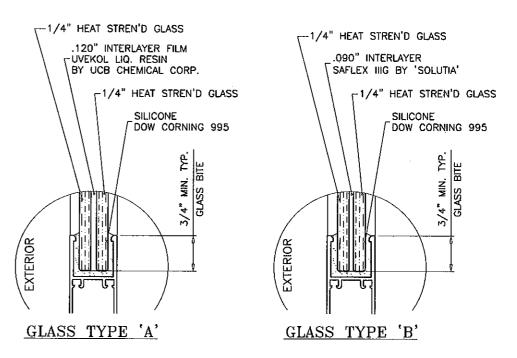
AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT

GLASS

SLIDING

DESIGN LOAD CAPACITY - PSF						
PANEL WIDTH NOMINAL	DOOR HEIGHT	GLASS TYPE 'A' OR 'B'				
FT./IN.	FT./IN.	EXT. (+)	INT. (-)			
2/6		72.0	72.0			
3/0		72.0	72.0			
3/6	6/8	72.0	72.0			
4/0		72.0	72.0			
4/6		72.0	72.0			
2/6		72.0	72.0			
3/0	8/0	72.0	72.0			
3/6	5,0	72.0	72.0			
4/0		72.0	72.0			

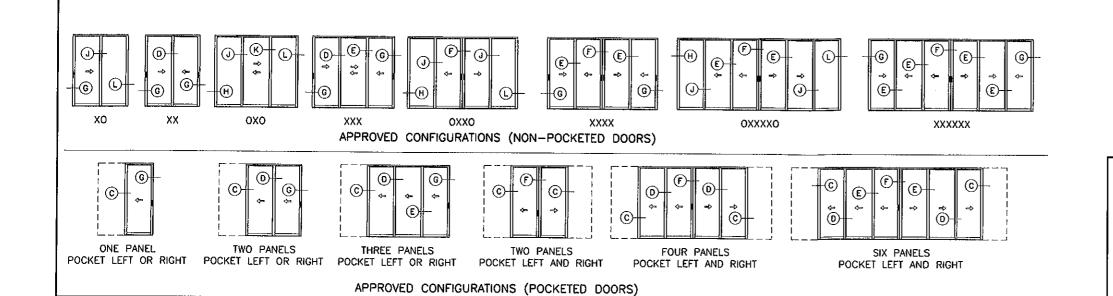
NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219



GLAZING OPTIONS

PHODUCT REVISED
To accepting with the Placks.
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Assistance No. 12-0403.0
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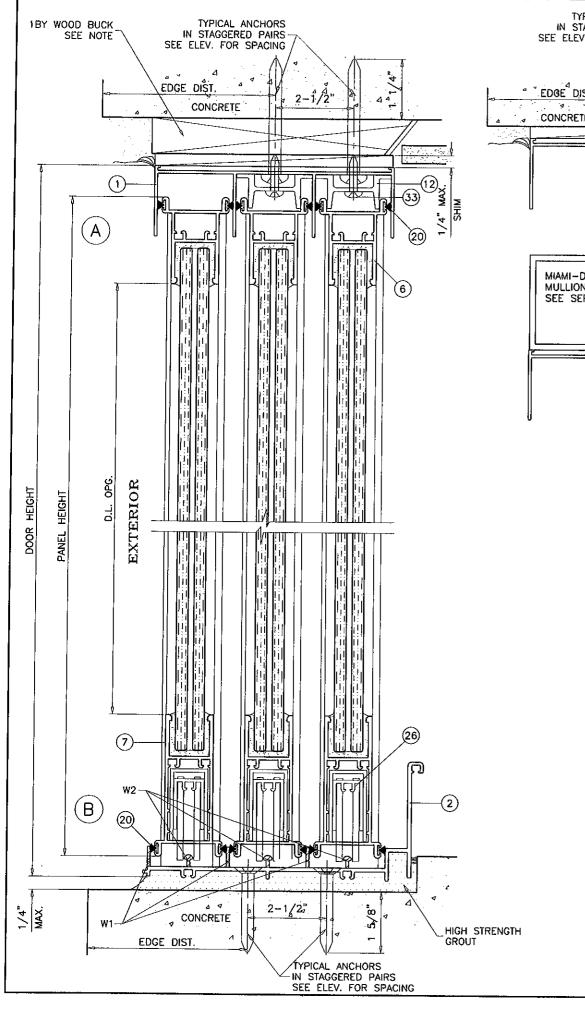
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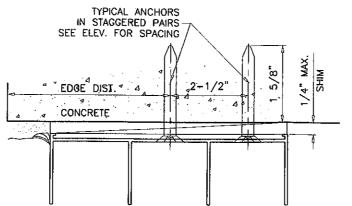


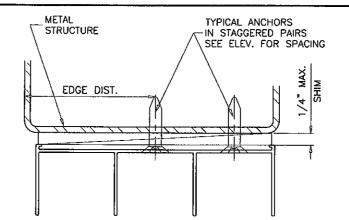
Engr: JAVAD AHMAD
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FLA. PE # 70592
C.A.N. 3538
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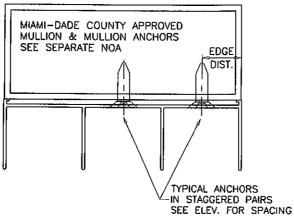
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978 SERIES-370 ALUM. SLIDING GLASS DOOR T.M. WINDOWS LLC. 601 N.W. 12TH AVE. POMPANO BEACH, FL. 33069 TEL. (954) 781-4430 FAX. (954) 78 drawing no. W03-90

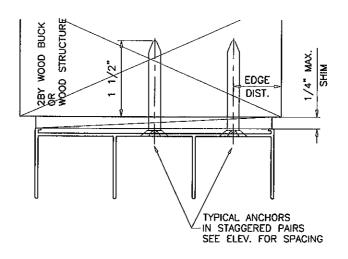
sheet 2 of 7











1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY TM WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

1/4" DIA, ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY 1-5/8" MIN. EMBED INTO CONC. OR MASONRY

1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS) INTO METAL STRUCTURES

STEEL: 12 GA. MIN. (Fy = 36 KSI MIN.) ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#14 SMS OR SELF DRILLING SCREWS

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .100") (NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

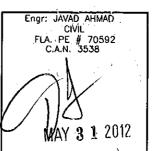
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN. PRODUCT DEVISED

SEALANTS:

FRAME AND PANEL CORNERS AND INSTALLATION SCREWS AT SILL AND JAMBS SEALED WITH JOINT SEALANT.

WEEPHOLES:

W1 = (6) 1" WEEP NOTCH AT EACH END OF SILL W2 = (6) 1" WEEP NOTCH AT EACH END OF SILL



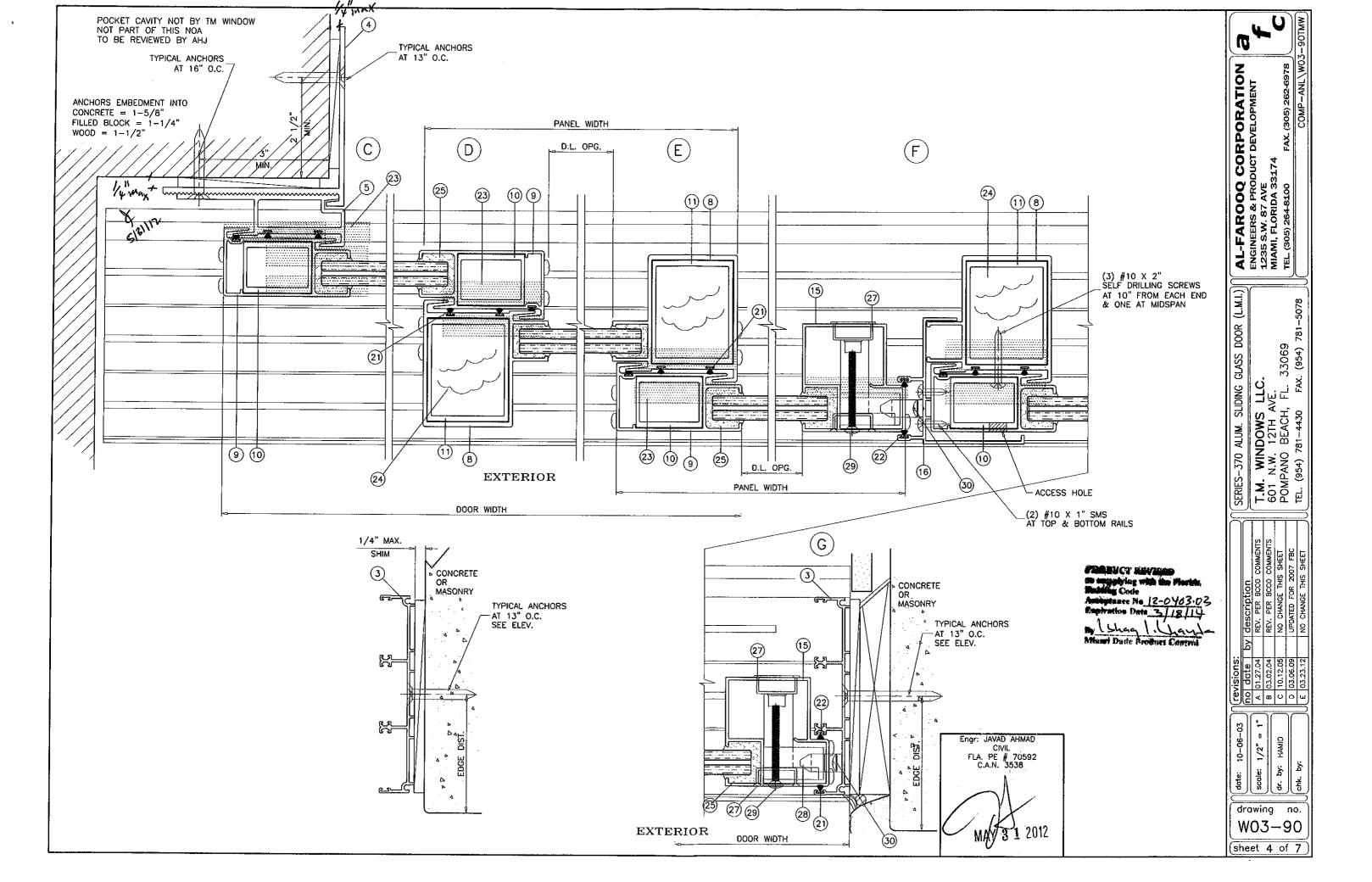
2 CORPORATION
ODUCT DEVELOPMENT AL-FAROOQ (ENGINEERS & PRODI 1235 S.W. 87 AVE MIAMI, FLORIDA 333

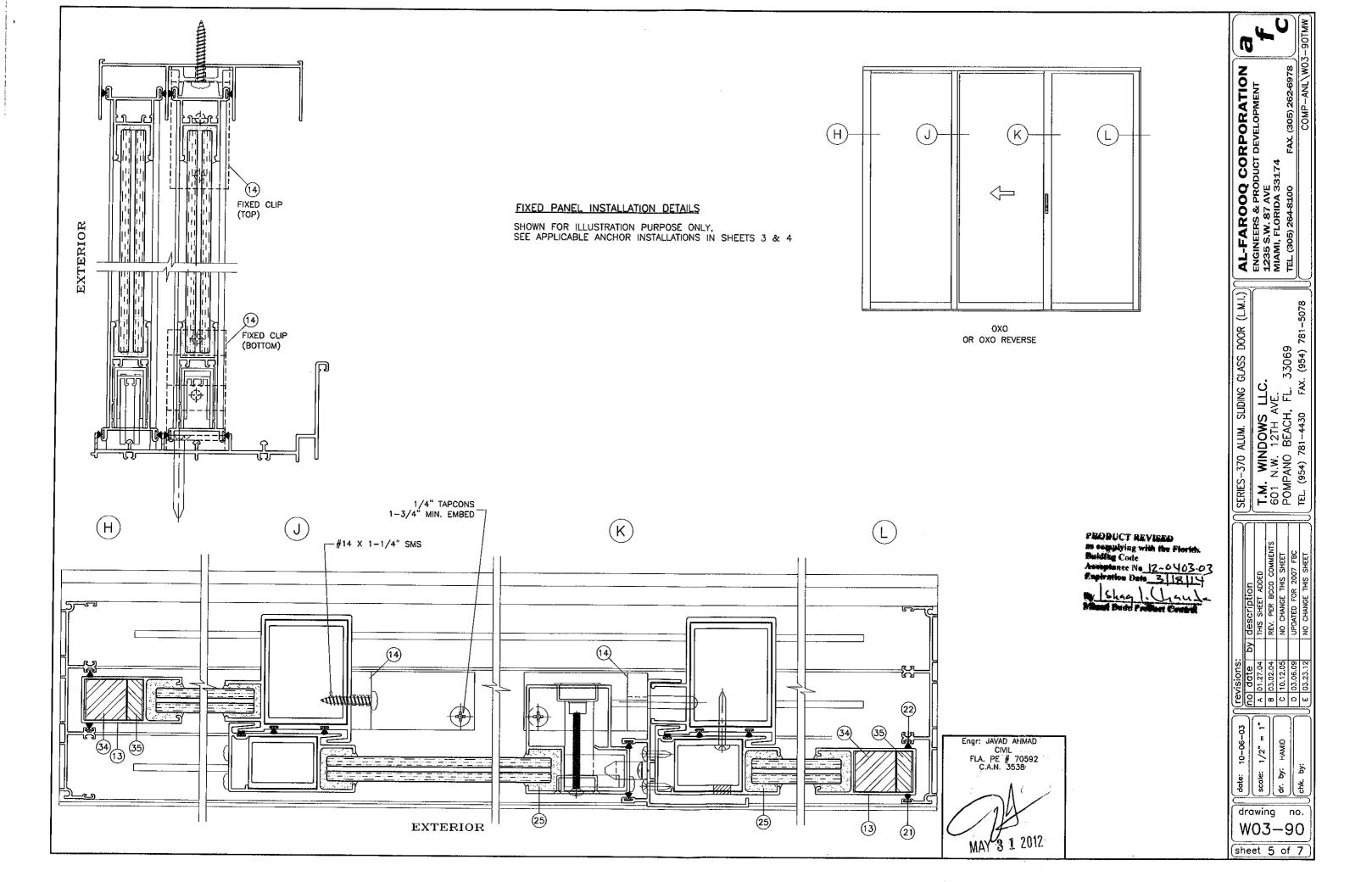
GLASS T.M. WINDOWS L 601 N.W. 12TH AV POMPANO BEACH, TEL. (954) 781-4430

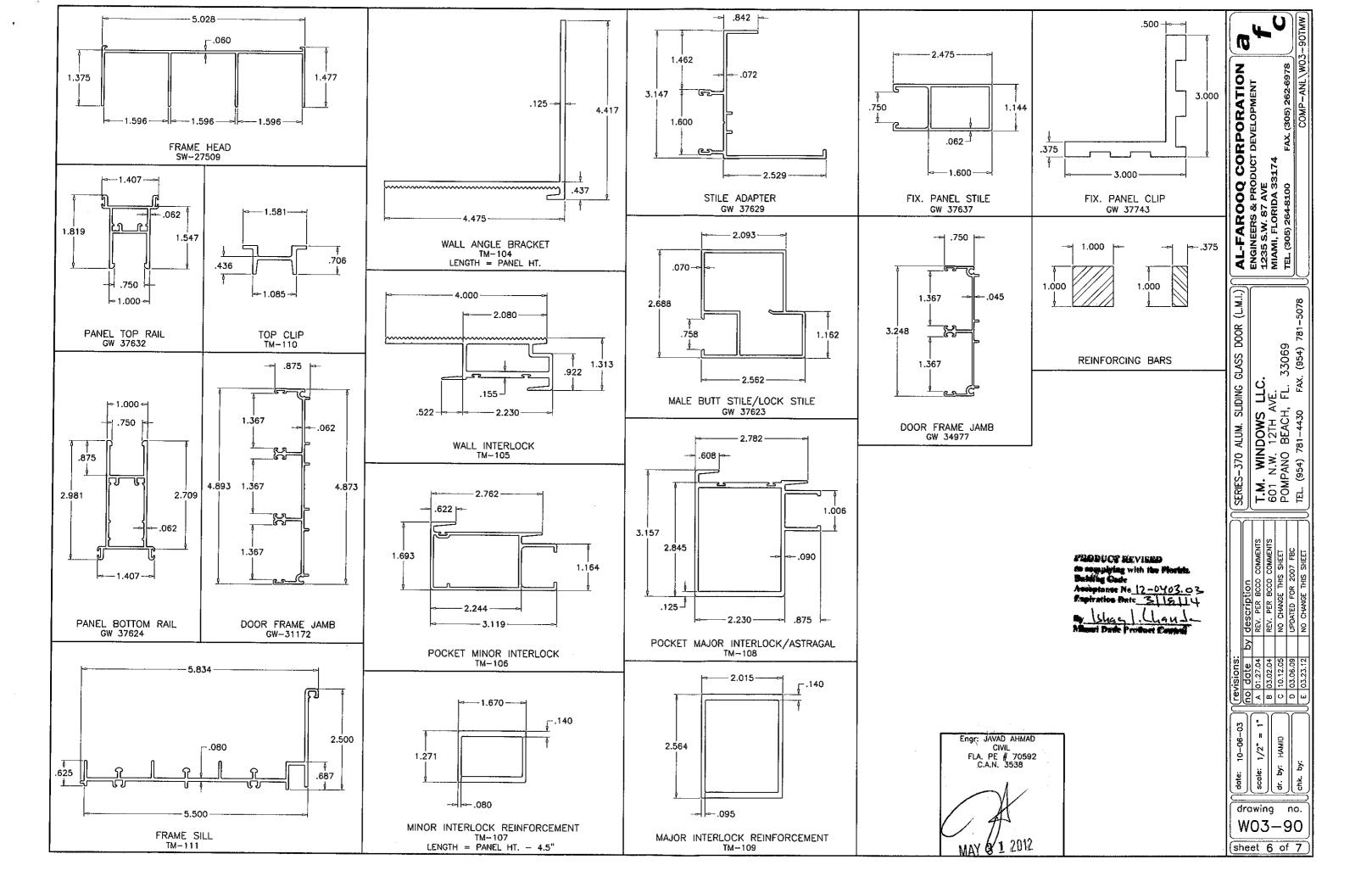
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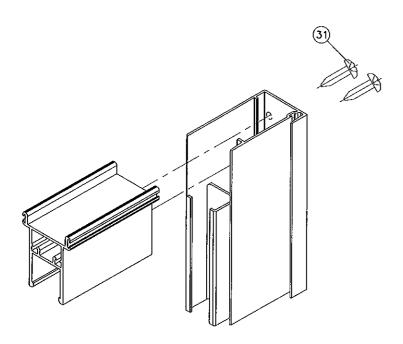
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sheet 3 of 7

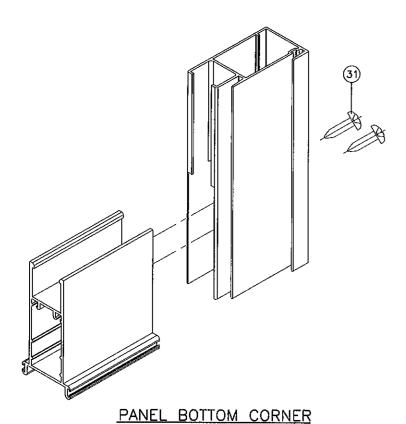








PANEL TOP CORNER



IMPNA NA		OXLINIMENT			
ITEM No.	PART No.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SW~27509	1	FRAME HEAD (3 TRACKS)	6063-T6	XXX
2	TM-111	1	FRAME SILL (3 TRACKS)	6063-T6	XXX
3	GW-31172	1 1	FRAME JAMB (3 TRACKS)	6063-T6	XXX
3A	GW 34977	1	FRAME JAMB (2 TRACKS)	6063-16	XXX
4	TM-104	AS REQD.	WALL ANGLE BRACKET	6063-T6	XXX
5	TM-105	AS REQD.	WALL INTERLOCK	6063-T6	XXX
6	GW-37632	1/ PANEL	TOP RAIL	6063-T6	XXX
7	GW-37624	1/ PANEL	BOTTOM RAIL	6063-T6	XXX
8	TM-108	AS REQD.	POCKET MAJOR INTERLOCK	6063-T6	XXX
9	TM-106	AS REQD.	POCKET MINOR INTERLOCK	6063-T6	XXX
10	TM-107	1/ INTERLOCK	MINOR INTERLOCK REINFORCEMENT	6063-T6	FULL LENGTH
11	TM-109	1/ INTERLOCK	MAJOR INTERLOCK REINFORCEMENT	6063-T6	FULL LENGTH
12	TM-110	7	TOP CLIP, 9-1/2" LONG	6063-T6	1 EACH ABOVE ALL INTERLOCKING & FEMALE STILES
13	GW 37637	AS REQD.	FIXED PANEL STILE	6063-T6	XXX
14	GW 37743	AS REQD.	FIX. PANEL CLIP	ALUMINUM	XXX
15	GW-37623	AS REQD.	MALE BUTT STILE	6063-T6	PANEL LOCK SIDES
16	GW-37629	AS REQD.	STILE ADAPTER	6063-T6	PANEL ASTRAGAL
20	4020-PILE	1 ROW	"ULTRAFAB" FIN SEAL WEATHERSTRIP	WOOL	TOP & BOTTOM RAILS
21	4037-PILE	2 ROWS	"ULTRAFAB" FIN SEAL WEATHERSTRIP	WOOL	INTERIOR INTERLOCK STILES/FRAME JAMBS
22	4020-PILE	1 ROW	"ULTRAFAB" FIN SEAL WEATHERSTRIP	WOOL	FRAME JAMBS/ASTRAGAL
23	XXX	AS REQD.	3/4 x 2 1/2" LG. SELF-ADHESIVE FIN SEAL PAD	WOOL	XXX
24	XXX	AS REQ'D	POLYURETHANE SEALANT	FOAM	ENDS/INTERLOCKS
25	DOW 995	AS REQ'D	STRUCTURAL SILICONE	SILICONE	PANELS
26	TM-36205	2/ PANEL	TM TANDEM ROLLER ASSEMBLY	ALUM/NYLON	BOTTOM OF PANELS
27	TM-32476	2	TM LATCH ASSEMBLY	ALUM/VINYL	MALE ASTRAGAL
28	TM-32424	2	TM KEEPER	ALUMINUM	FEMALE ASTRAGAL
29	XXX	2/LATCH	#10 X 2" OH. MS. ASSEMBLY SCREW	STEEL	LATCH ASSY.
30	XXX	2/KEEPER	#10 x 1/2" TR. HD. KEEPER INST. SCREW	STEEL	FEMALE ASTRAGAL
31	XXX	8/PANEL	#10 x 1" PH. SMS. PANEL ASSY. SCREW	STEEL	PANEL CORNERS
33	XXX	2/CLIP	#10 x 1" PH. SMS. TOP CLIP INST. SCREW	STEEL	HEAD INTERLOCKS
34	XXX	AS REQD.	1" X 1" REINFORCING BAR	STEEL	AT FIX. PANEL STILE
35	XXX	AS REQD.	3/8" X 1" REINFORCING BAR	STEEL	AT FIX. PANEL STILE

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to according with the Planta.
Westing Code
Analysis and Page 12-0403-03
Experience Page 12-0403-03

Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

SERIES-370 ALUM SLIDING GLASS DOOR (L.M.I.	T.M. WINDOWS -LI C.	BOTH AVE SEE SEE	ANO BEACH] (TEL. (954) 781-4430 → FAX. (954) 781-5078
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sheet 7 of 7

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